Access DB# 18494

# **SEARCH REQUEST FORM**

Scientific and Technical Information Center

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.  Title of Invention:    Inventiors (please provide full names):	Requester's Full Name:  Art Unit:    Phone N     Mail Box and Bldg   Room Location:	HRUSKOC umber 30 <u>R-388</u> CP3 5 P31 Resu	Examiner #: 60307 Date: 10/03/02  7 Serial Number: 10/044594  Its Format Preferred (circle): PAPER DISK E-MAIL	
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or unity of the invention. Define any learn state to the searched include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or unity of the invention. Define any learn state to the concept of the cover sheet, pertinent claims, adobstract.  Title of Invention:     Inventors (please provide full names):	If more than one search is submitted, please prioritize searches in order of need.			
Inventors (please provide full names):  Philip 1). Sewery  For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.  Please do a litigation search series only of Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.  Please do a litigation search series full for the series of the series	Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.			
Inventors (please provide full names):  Philip 1). Sewery  For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.  Please do a litigation search series only of Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.  Please do a litigation search series full for the series of the series	Title of Invention:	nton - Poha	med Hologen Elderinger	
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STAFF USE ONLY  Type of Search  NA Sequence (#)  STN  Searcher Phone #: AA Sequence (#)  Date Searcher Ficked Up: 10/2000  Date Searcher Picked Up: 10/2000  Date Searcher Ficked Up: 10/2000  Date Searcher Ficke		2 litigates	in search	
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STAFF USE ONLY  Searcher: Melacume (#)  Searcher Phone #: 8-448 Asequence (#)  Date Searcher Picked Up: 10-30 Bibliographic  Date Completed: 10-35 K Litigation  Searcher Prep & Review Time: Fulltext  Clerical Prep Time: Patent Family  Searcher Location: Sequence Software (#)  Software (#)  Searcher Picked Up: 10-30 Bibliographic  Dr.Link  Lexis/Nexis 1-31 Sequence Systems  WWW/Internet  Clerical Prep Time: Patent Family WWW/Internet			•	
STAFF USE ONLY  Searcher: Melacume (#)  Searcher Phone #: 8-448 Asequence (#)  Date Searcher Picked Up: 10-30 Bibliographic  Date Completed: 10-35 K Litigation  Searcher Prep & Review Time: Fulltext  Clerical Prep Time: Patent Family  Searcher Location: Sequence Software (#)  Software (#)  Searcher Picked Up: 10-30 Bibliographic  Dr.Link  Lexis/Nexis 1-31 Sequence Systems  WWW/Internet  Clerical Prep Time: Patent Family WWW/Internet				
Searcher: Medican  NA Sequence (#)  STN  AA Sequence (#)  Structure (#)  Dialog  Searcher Location:  Date Searcher Picked Up: 10/2000  Bibliographic  Date Completed: 10/2000  Searcher Prep & Review Time: Fulltext  Sequence Systems  Clerical Prep Time: Patent Family  WWW/Internet	No Litisation	Kopatoe (	- Sory for the Dalow - System problems	
Searcher Phone #: 8-4483 AA Sequence (#) Dialog	STAFF USE ONLY	Type of Search	Vendors and cost where applicable	
Searcher Location: Structure (#) Questel/Orbit 36.96  Date Searcher Picked Up: 10/200 Bibliographic Dr.Link  Date Completed: 10/200 Litigation Lexis/Nexis 1/200 Searcher Prep & Review Time: Fulltext Sequence Systems  Clerical Prep Time: Patent Family WWW/Internet	11,34	NA Sequence (#)	STN	
Date Searcher Picked Up: 10/300 Bibliographic Dr.Link  Date Completed: 10/300 Litigation Lexis/Nexis Light Sequence Systems  Searcher Prep & Review Time: Patent Family WWW/Internet  Clerical Prep Time: Patent Family WWW/Internet	Searcher Phone #: 8-4(185	AA Sequence (#)	38.98	
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	Clerical Prep Time:		•	
	Online Time:	Other	Other (specify)	

PTO-1590 (8-01)

## Current session 23/10/2002

(C) QUESTEL 1994 QUESTEL.ORBIT (TM) 1998

23/10/02 16\*01\*57

Last connection: 22/10/02 21\*21\*49

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- New Patent Citation Commands: easy & precise - INFO PATCITE

- USAPPS Reloaded: Pricing, see INFO USAPPS

- Services Interruption on 27 Oct - see INFO STOP

- USPCL: US Patent Class Definition Look-up File - INFO USPCL

..FILE / ..INFO / ..GUIDE

## Query/Command: FILE PLUSPAT

QUESTEL - Time in minutes: 1,97

The cost estimation below is based on Questel's

standard price list

Estimated cost: 1.70 USD
Cost estimated for the last database search: 1.70 USD
Estimated total session cost: 1.70 USD

Selected file: PLUSPAT

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Comprehensive Worldwide Patents database

New Patent Citation Commands & FAM Citation Report - see INFO PATCITE

Last update of file: 2002/10/16 (YYYY/MM/DD) 2002-41/UP (basic update)

Search statement 1

Query/Command: US5565109/PN

#### \*\* SS 1: Results 1

Search statement 2

Query/Command: PRT FULL NONSTOP LEGALALL

## 1/1 PLUSPAT - ©QUESTEL-ORBIT

PN - US5565109 A 19961015 [US5565109]

PN2 - US5565109 B1 19991123 [US5565109]

TI - (A) Hydantoin-enhanced halogen efficacy in pulp and paper applications

PA - (A) LONZA AG (US)

PA2 - (B1) LONZA AG (US)

IN - (A) SWEENY PHILIP G (US)

**AP** - US32345994 19941014 [1994US-0323459]

**PR** - US32345994 19941014 [1994US-0323459]

IC - (A) C02F-001/50

**EC** - A01N-059/00 &M

C02F-001/50 D21H-021/04

PCL - ORIGINAL (O): 210755000; CROSS-REFERENCE (X): 162161000 210754000

210756000 210764000

**DT** - Corresponding document

**CT** - US3328294; US3749672; US4297224; US4427692; US4537697; US4698165;

US4925866

STG - (A) United States patent

STG2 - (B1) Reexam. Certif., n-nd reexam.

AB - Free halogen sources (e.g., sodium hypochlorite and chlorine) added as slimicides in high organic component process streams such as pulp and paper processing are rendered more

efficacious by the addition of selected N-hydrogen compounds (namely,

5,5-dimethylhydantoin, 5-ethyl-5-methylhydantoin, cyanuric acid, succinimide, urea, 4,4-dimethyl-2-oxazolidinone, and glycouril) to the process stream. The latter compounds may be added to the process stream before or after the slimicide is added or combined with the slimicide and added directly thereto. The direct use of halogenated hydantoins has also been found to provide improved efficacy relative to free halogen sources. In

addition, absorbable organic halogen by-products are reduced.

## 1/1 LGST - @LEGSTAT

PN - US 5565109 [US5565109]

AP - US 323459/94 19941014 [1994US-0323459]

DT - US-P

ACT - 19941014 US/AE-A

APPLICATION DATA (PATENT)

US 323459/94 19941014 [1994US-0323459]

19941214 US/AS02

ASSIGNMENT OF ASSIGNOR'S INTEREST

LONZA INC. 17-17 ROUTE 208 FAIR LAWN, NEW JERSEY 07410 \* SWEENY,

PHILIP GERDON: 19941111

19961015 US/A

**PATENT** 

19970909 US/RR [+]

REQUEST FOR REEXAMINATION FILED

970722

19991123 US/B1 [+]

REEXAMINATION CERTIFICATE FIRST REEXAMINATION

Claims 1, 5-7, 9, 10 and 13 are cancelled. Claims 2-4, 8, 11 and 12 are determined to be patentable as amended. New claims 14-16 are added and determined to be patentable.

20020528 US/RF

REISSUE APPLICATION FILED

20020110

UP - 2002-24

1/1 CRXX - ©CLAIMS/RRX

PN - 5,565,109 A 19961015 [US5565109]

PA - Lonza Inc

ACT - 19970722 REEXAMINATION REQUESTED

ISSUE DATE OF O.G.: 19970909

**REEXAMINATION REQUEST NUMBER: 90/004700** 

Woodard Emhardt Naughton Moriarty & McNett, Indianapolis, IN

19991123 REEXAMINED CERTIFICATE B15565109, SEQUENCE 3940th REQUEST - 90/004700, Woodard Emhardt Naughton Moriarty & McNett, Indianapolis, IN, US (19970722)

CLAIM - AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT: Claims 1,5-7, 9,10 and 13 are cancelled. Claims 2-4, 8,11 and 12 are determined to-be-patentable as-amended. New claims 14-16-are-added-and-determined-to-be patentable. 14. In a process for making paper from pulp fiber wherein from 0.2 to 3 weight percent of organic matter comprising from 95 to 99 weight percent pulp fiber is maintained in a circulating water slurry in the presence of sizing, the improvement of performing said process in the presence of a slimicidally effective amount of an N-hydrogen compound and a slimicide in a molar ratio of from 0.1:1 to 10:1 in said circulating water slurry; wherein said N-hydrogen compound is p-toluenesulfonamide, dimethylhydantoin, methylethylhydantoin, cyanuric acid, succinimide, urea, 4,4-dimethyl-2-oxazolidinone, or glycouril and said slimicide is chlorine gas, bromine, bromine chloride, an alkali metal or alkaline earth metal hypohalite, a halogenated hydantoin, a halogenated cyanurate or halogenated cyanuric acid and the amount of the N-hydrogen compounds present in said circulatory water slurry is sufficient to enhance the biocidal efficacy of the slimicide and reduce absorbable organic halogen (AOX) by-produce formation.

20020110 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020528

REISSUE REOUEST NUMBER: 10/044594

**EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1724** 

Reissue Patent Number:

1/3 PAST - ©Thomson Derwent

**AN** - 200222-001890

PN - 5565109 A [US5565109]

**OG** - 2002-05-28

ACT - REISSUE APPLICATION FILED

2/3 PAST - @Thomson Derwent

**AN** - 199947-001399

PN - 5565109 A [US5565109]

**OG** - 1999-11-23

ACT - REEXAMINATION CERTIFICATE

3/3 PAST - ©Thomson Derwent

**AN** - 199736-001413

PN - 5565109 A [US5565109]

**OG** - 1997-09-09

**ACT** - REQUEST FOR REEXAMINATION FILED

Query/Command: FILE INPADOC

- Time in minutes: 0,71 The cost estimation below is based on Questel's standard price list Estimated cost : 1.56 USD Records displayed and billed Estimated cost : 1.10 USD 2.66 USD Cost estimated for the last database search : 4.36 USD Estimated total session cost - Time in minutes: 0,04 The cost estimation below is based on Questel's standard price list Estimated cost : 0.04 USD Records displayed and billed 0.57 USD Estimated cost : 0.61 USD Cost estimated for the last database search : 4.97 USD Estimated total session cost - Time in minutes : The cost estimation below is based on Questel's standard price list 0.09 USD Estimated cost : Records displayed and billed Estimated cost : 5.00 USD Cost estimated for the last database search : 5.09 USD 10.06 USD Estimated total session cost - Time in minutes: 0,18 The cost estimation below is based on Questel's standard price list 0.35 USD Estimated cost : Records displayed and billed 3 16.83 USD Estimated cost : 17.18 USD Cost estimated for the last database search : 27.24 USD Estimated total session cost - Time in minutes : 0,04 The cost estimation below is based on Questel's standard price list 0.07 USD Estimated cost :

Cost estimated for the last database search : 0.07 USD Estimated total session cost : 27.31 USD

Selected file: INPADOC

You are now connected to INPADOC Covers 1968/1973 thru weekly updates (2002-42) For information on content, (...)INFO INPD.

Search statement 1

Query/Command: FAM US5565109/PN

1 Patent Groups

#### \*\* SS 1: Results 10

Search statement 2

## Query/Command: FAMSTATE NONSTOP

#### 1/10 INPADOC - ©INPADOC

PN - AU 692323 B2 19980604 [AU-692323]

TI - HYDANTOIN-ENHANCED HALOGEN EFFICACY IN PULP AND PAPER

APPLICATIONS

IN - SWEENY PHILIP GERDON

PA - LONZA AG

**AP** - AU 38968/95-A 19951013 [1995AU-0038968]

PR - US 323459/94-A 19941014 [1994US-0323459]

WO 9513537/95(US)-W 19951013 [1995WO-ŪS13537]

IC - C02F-001/50

## 1/1 LEGALI - ©LEGSTAT

PN - AU 692323 [AU-692323]

DT - AU-P

**ACTE** - 20000203 AU/DA3

AMENDMENTS MADE SECTION 104

27051999

**UP** - 2000-43

## 2/10 INPADOC - ©INPADOC

PN - CA 2202631 AA 19960425 [CA2202631]

TI - HYDANTOIN-ENHANCED HALOGEN EFFICACY IN PULP AND PAPER APPLICATIONS

LA - ENG

IN - SWEENY PHILIP GERDON [US]

PA - LONZA AG [US]

**AP** - CA 2202631/95-A 19951013 [1995CA-2202631]

PR - US 323459/94-A 19941014 [1994US-0323459]

IC - C02F-001/50

#### 1/1 LEGALI - ©LEGSTAT

PN - CA 2202631 [CA2202631]

DT - CA-P

**ACTE** - 19970414 CA/REFW-P

CORRESPONDS TO PCT APPLICATION

<WO 9611882> [WO9611882]

**UP** - 1998-31

## 3/10 INPADOC - ©INPADOC

PN - EP 785909 A1 19970730 [EP-785909]

TI - HYDANTOIN-ENHANCED HALOGEN EFFICACY IN PULP AND PAPER

**APPLICATIONS** 

LA - ENG

IN - SWEENY PHILIP GERDON [US]

PA - LONZA AG [US]

**AP** - EP 95938282/95-A 19951013 [1995EP-0938282]

PR - WO 9513537/95(US)-W 19951013 [1995WO-US13537]

US 323459/94-A 19941014 [1994US-0323459]

IC - C02F-001/50

DS - AT\* BE\* CH\* DE\* DK\* ES\* FR\* GB\* GR\* IE\* IT\* LI\* LU\* MC\* NL\* PT\* SE\*

## 1/1 LEGALI - @LEGSTAT

PN - EP 785909 [EP-785909]

**AP** - EP 95938282/95 19951013 [1995EP-0938282]

DT - EP-P

**ACTE** - 19951013 EP/AE-A

**EP-APPLICATION** 

EP 95938282/95 19951013 [1995EP-0938282]

19970730 EP/AK-A1 [+]

DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH

**REPORT:** 

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19970730 EP/A1 [+]

PUBLICATION OF APPLICATION WITH SEARCH REPORT

19970730 EP/17P [+]

REQUEST FOR EXAMINATION FILED

970514

19980225 EP/AK-A4 [+]

DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY

**SEARCH REPORT:** 

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19980225 EP/A4 [+]

SUPPLEMENTARY SEARCH REPORT

980107

19990915 EP/17Q [+]

FIRST EXAMINATION REPORT

19990728

**UP** - 1999-37

#### 4/10 INPADOC - ©INPADOC

PN - EP 785909 A4 19980225 [EP-785909]

TI - HYDANTOIN-ENHANCED HALOGEN EFFICACY IN PULP AND PAPER

**APPLICATIONS** 

LA - ENG

IN - SWEENY PHILIP GERDON [US]

PA - LONZA AG [US]

**AP** - EP 95938282/95-A 19951013 [1995EP-0938282]

PR - WO 9513537/95(US)-W 19951013 [1995WO-US13537]

US 323459/94-A 19941014 [1994US-0323459]

IC - C02F-001/50

DS - AT\* BE\* CH\* DE\* DK\* ES\* FR\* GB\* GR\* IE\* IT\* LI\* LU\* MC\* NL\* PT\* SE\*

1/1 LEGALI - ©LEGSTAT

PN - EP 785909 [EP-785909]

**AP** - EP 95938282/95 19951013 [1995EP-0938282]

DT - EP-P

**ACTE** - 19951013 EP/AE-A

**EP-APPLICATION** 

EP 95938282/95 19951013 [1995EP-0938282]

19970730 EP/AK-A1 [+]

DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH

**REPORT:** 

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19970730 EP/A1 [+]

PUBLICATION OF APPLICATION WITH SEARCH REPORT

19970730 EP/17P [+]

REQUEST FOR EXAMINATION FILED

970514

19980225 EP/AK-A4 [+]

DESIGNATED CONTRACTING STATES MENTIONED IN A SUPPLEMENTARY

**SEARCH REPORT:** 

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

19980225 EP/A4 [+]

SUPPLEMENTAŘÝ SEARCH REPORT

980107

19990915 EP/17Q [+]

FIRST EXAMINATION REPORT

19990728

**UP** - 1999-37

5/10 INPADOC - ©INPADOC

PN - NO 971667 A0 19970411 [NO9701667]

TI - HYDANTOINFORBEDRET HALOGENEFFEKTIVITET I MASSE- OG

**PAPIRANVENDELSER** 

IN - SWEENY PHILIP GERDON [US]

PA - LONZA AG [US]

**AP** - NO 971667/97-A 19970411 [1997NO-0001667]

PR - US 323459/94-A 19941014 [1994US-0323459]

WO 9513537/95(US)-W 19951013 [1995WO-US13537]

IC - C02F-000/00

## 6/10 INPADOC - @INPADOC

PN - NO 971667 A 19970602 [NO9701667]

TI - HYDANTOINFORBEDRET HALOGENEFFEKTIVITET I MASSE- OG PAPIRANVENDELSER

IN - SWEENY PHILIP GERDON [US]

PA - LONZA AG [US]

**AP** - NO 971667/97-A 19970411 [1997NO-0001667]

**PR** - US 323459/94-A 19941014 [1994US-0323459]

WO 9513537/95(US)-W 19951013 [1995WO-US13537]

IC - C02F-001/50

#### 7/10 INPADOC - ©INPADOC

PN - NZ-295586 A 19990329 [NZ-295586]

TI - METHOD OF REDUCING BY-PRODUCTS IN A CIRCULATING WATER SYSTEM USING A N-HYDROGEN COMPOUND AND A SLIMICIDE, USE IN A PAPER-MAKING PROCESS

IN - SWEENY PHILIP GERDON

PA - LONZA AG

AP - NZ 295586/95-A 19951013 [1995NZ-0295586]

PR - US 323459/94-A 19941014 [1994US-0323459]

WO 9513537/95(US)-W 19951013 [1995WO-US13537]

IC - C02F-001/68; C02F-001/76; C02F-001/70

#### 8/10 INPADOC - @INPADOC

PN - US 5565109 A 19961015 [US5565109]

TI - HYDANTOIN-ENHANCED HALOGEN EFFICACY IN PULP AND PAPER APPLICATIONS

IN - SWEENY PHILIP G [US]

PA - LONZA AG [US]

AP - US 323459/94-A 19941014 [1994US-0323459]

PR - US 323459/94-A 19941014 [1994US-0323459]

IC - C02F-001/50

## 1/1 LEGALI - ©LEGSTAT

PN - US 5565109 [US5565109]

**AP** - US 323459/94 19941014 [1994US-0323459]

DT - US-P

**ACTE** - 19941014 US/AE-A

APPLICATION DATA (PATENT)

US 323459/94 19941014 [1994US-0323459]

19941214 US/AS02

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PHILIP GERDON: 19941111

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**PATENT** 

19970909 US/RR [+]

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970722

19991123 US/B1 [+]

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Claims 1, 5-7, 9, 10 and 13 are cancelled. Claims 2-4, 8, 11 and 12 are determined to be patentable as amended. New claims 14-16 are added and determined to be patentable.

20020528 US/RF

REISSUE APPLICATION FILED

20020110

UP - 2002-24

#### 9/10 INPADOC - ©INPADOC

PN - US 5565109 B1 19991123 [US5565109]

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**AP** - US 323459/94-A 19941014 [1994US-0323459]

**PR** - US 323459/94-A 19941014 [1994US-0323459]

IC - C02F-001/50

#### 1/1 LEGALI - ©LEGSTAT

PN - US 5565109 [US5565109]

AP - US 323459/94 19941014 [1994US-0323459]

DT - US-P

ACTE - 19941014 US/AE-A

APPLICATION DATA (PATENT)

US 323459/94 19941014 [1994US-0323459]

19941214 US/AS02

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LONZA INC. 17-17 ROUTE 208 FAIR LAWN, NEW JERSEY 07410 \* SWEENY,

PHILIP GERDON: 19941111

19961015 US/A

**PATENT** 

19970909 US/RR [+]

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970722

19991123 US/B1 [+]

REEXAMINATION CERTIFICATE FIRST REEXAMINATION

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20020528 US/RF

REISSUE APPLICATION FILED

20020110

UP - 2002-24

#### 10 / 10 INPADOC - ©INPADOC

PN - WO 9611882 A1 19960425 [WO9611882]

TI - HYDANTOIN-ENHANCED HALOGEN EFFICACY IN PULP AND PAPER

**APPLICATIONS** 

LA - ENG

IN - SWEENY PHILIP GERDON [US]

PA - LONZA AG [US]; SWEENY PHILIP GERDON [US]

AP - WO 9513537/95(US)-A 19951013 [1995WO-US13537]

PR - US 323459/94-A1 19941014 [1994US-0323459]

IC - C02F-001/50

DS - AL\* AM\* AT\* AU\* BB\* BG\* BR\* BY\* CA\* CH\* CN\* CZ\* DE\* DK\* EE\* ES\* FI\*

GB\* GE\* HU\* IS\* JP\* KE\* KG\* KP\* KR\* KZ\* LK\* LR\* LT\* LU\* LV\* MD\* MG\* MK\* MN\* MX\* NO\* NZ\* PL\* PT\* RO\* RU\* SD\* SE\* SG\* SI\* SK\* TJ\* TM\* TT\* UA\* US\* UZ\* VN\* KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU

MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

1/2 LEGALI - ©LEGSTAT

PN - CA 2202631 [CA2202631]

DT - CA-P

**ACTE** - 19970414 CA/REFW-P

CORRESPONDS TO PCT APPLICATION

<WO 9611882> [WO9611882]

UP - 1998-31

2/2 LEGALI - ©LEGSTAT

PN - WO 9611882 [WO9611882]

**AP** - WO 9513537/95(US) 19951013 [1995WO-US13537]

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APPLICATION DATA

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DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT

AL AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MK MN MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA US UZ VN

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DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A PUBLISHED APPLICATION WITH SEARCH REPORT

KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

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PUBLICATION OF THE INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT

19960620 WO/DFPE

REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19960731 WO/121

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19970814 WO/REG; DE/8642 [-]

DE: WITHDRAWAL

<DE>

UP - 1998-31